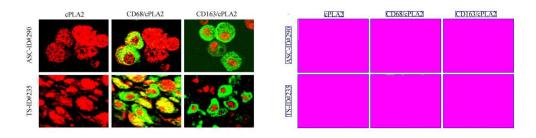
A New Pivoting and Iterative Text Detection Algorithm for Biomedical Images: Appendix C

Below we will show more text detection examples.



(a) The original image

(b) Text detection result after the 1st round, i.e. the final result

detection result

Figure 1: A text detection example from [9].

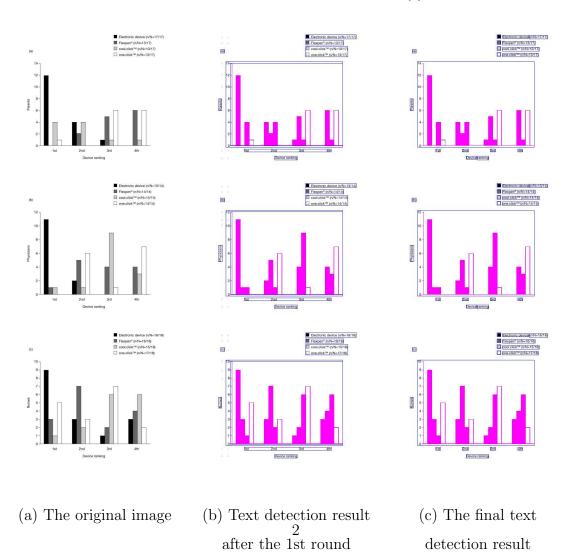
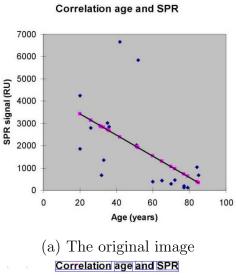
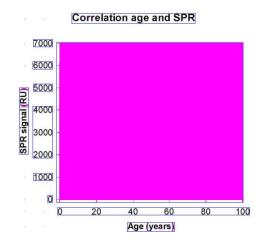
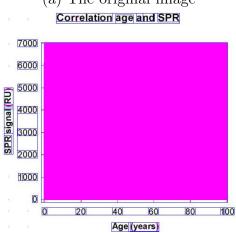
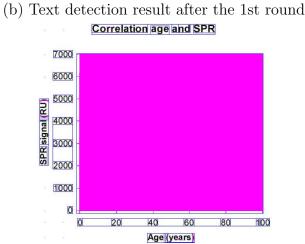


Figure 2: A text detection example from [3].





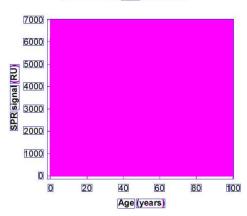




(d) Text detection result after the 3rd round

(c) Text detection result after the 2nd round

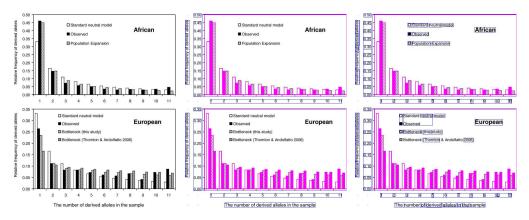
Correlation age and SPR



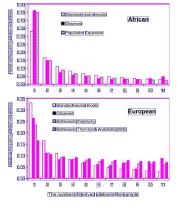
(e) The final text detection result

0

Figure 3: A text detection example from [7].

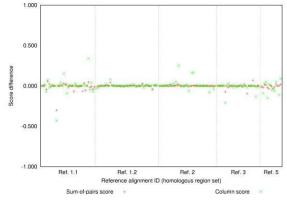


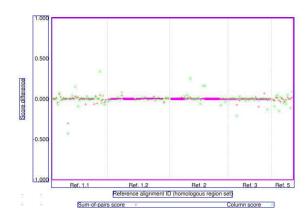
- (a) The original image (b) Text detection result (c) Text detection result
- after the 1st round after the 2nd round 0.45 -0.40 -0.35 -0.25 -0.20 -0.15 -0.45 -0.40 -0.35 -0.25 -0.20 -0.15 -0.10 -African African Observed Cobserved 0.30 -0.25 -0.20 -0.15 -European European Observed Observed The number of derived alleles in the sample The number of derived alleles in the sample The number of derived alleles in the sample
- (d) Text detection result (e) Text detection result (f) Text detection result after the 3rd round after the 4th round after the 5th round



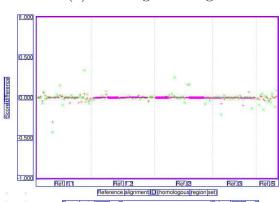
(g) The final text detection result

Figure 4: A text detection example from [4].

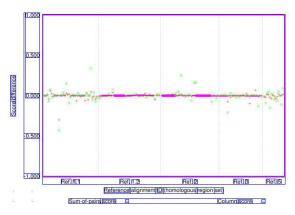




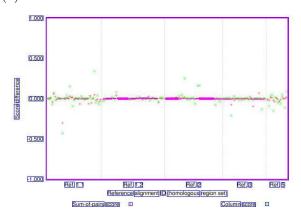
(a) The original image



(b) Text detection result after the 1st round

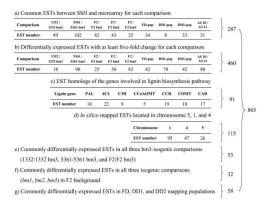


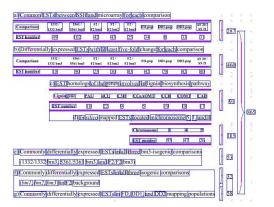
- (c) Text detection result after the 2nd round
- (d) Text detection result after the 3rd round



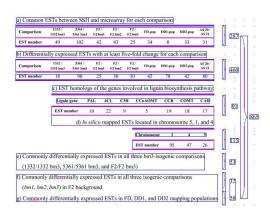
(e) The final text detection result

Figure 5: A text detection example from [10].

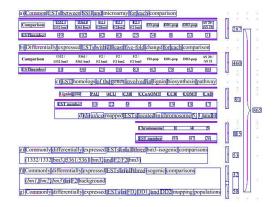




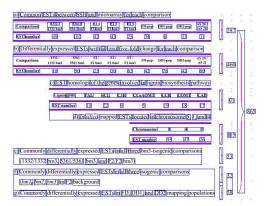
(a) The original image



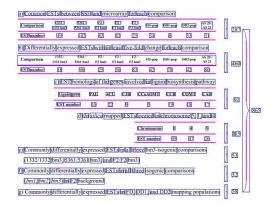
(b) Text detection result after the 1st round



(c) Text detection result after the 2nd round (d) Text detection result after the 3rd round



(e) Text detection result after the 4th round



(f) The final text detection result

Figure 6: A text detection example from [8].

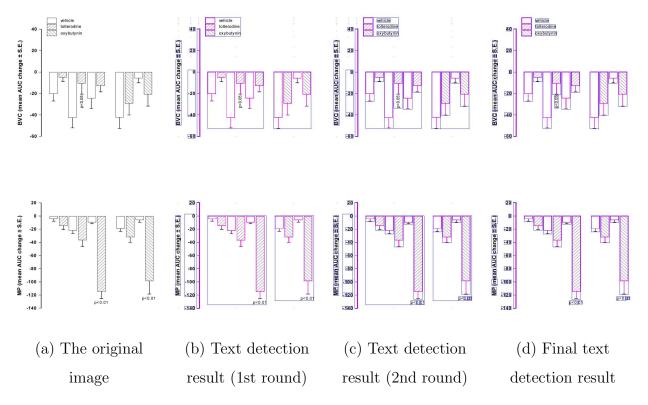


Figure 7: A text detection example from [1].

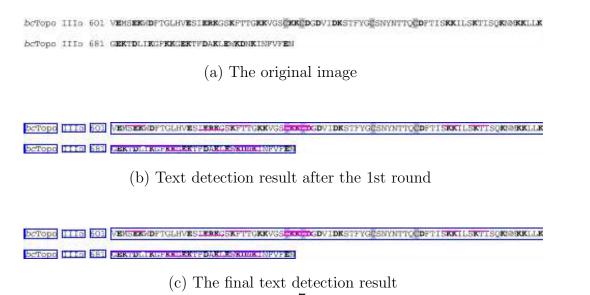


Figure 8: A text detection example from [5].

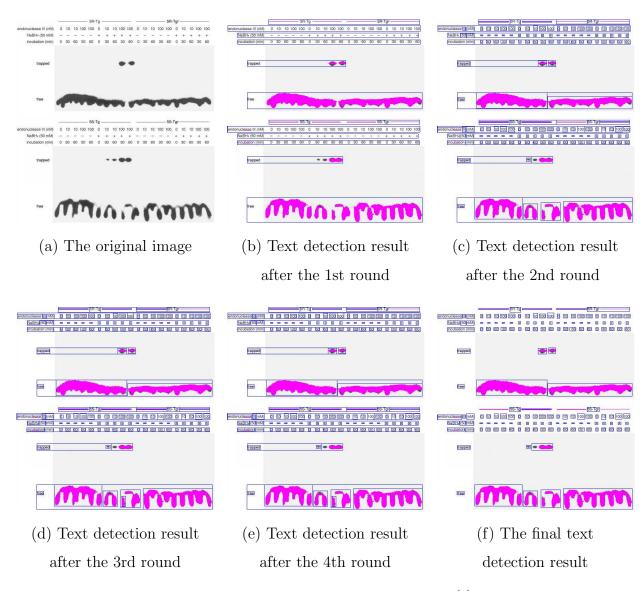


Figure 9: A text detection example from [2].

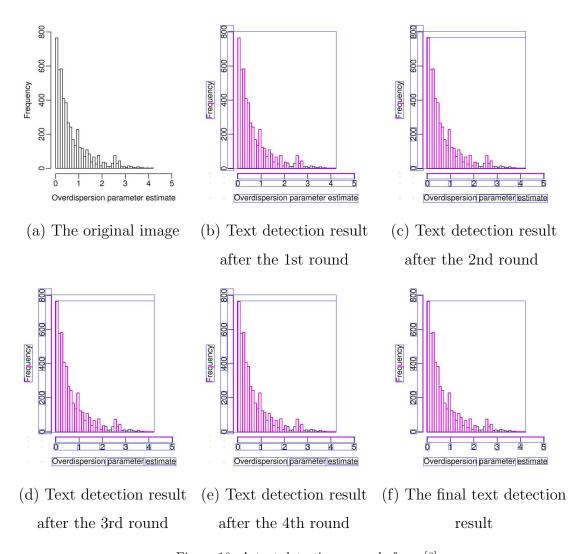


Figure 10: A text detection example from [6].

- Angelico, P., Velasco, C., Guarneri, L., Sironi, G., Leonardi, A., and Testa, R. (2005). Urodynamic effects of oxybutynin and tolterodine in conscious and anesthetized rats under different cystometrographic conditions. BMC Pharmacology, 5, 14–14. PMID: 16216132 PMCID: 1274333.
- [2] Doi, Y., Katafuchi, A., Fujiwara, Y., Hitomi, K., Tainer, J. A., Ide, H., and Iwai, S. (2006). Synthesis and characterization of oligonucleotides containing 2-fluorinated thymidine glycol as inhibitors of the endonuclease III reaction. *Nucleic Acids Research*, 34(5), 1540–1551. PMID: 16547199 PMCID: 1409675.
- [3] Dumas, H., Panayiotopoulos, P., Parker, D., and Pongpairochana, V. (2006). Understanding and meeting the needs of those using growth hormone injection devices. *BMC Endocrine Disorders*, 6, 5–5. PMID: 17034628 PMCID: 1618831.
- [4] Li, H. and Stephan, W. (2006). Inferring the demographic history and rate of adaptive substitution in drosophila. PLoS Genetics, 2(10). PMID: 17040129 PMCID: 1599771.
- [5] Li, Z., Hiasa, H., and DiGate, R. (2005). Bacillus cereus DNA topoisomerase i and III: purification, characterization and complementation of escherichia coli TopoIII activity. Nucleic Acids Research, 33(17), 5415–5425. PMID: 16192570 PMCID: 1236973.
- [6] Lu, J., Tomfohr, J. K., and Kepler, T. B. (2005). Identifying differential expression in multiple SAGE libraries: an overdispersed log-linear model approach. *BMC Bioinformatics*, 6, 165–165. PMID: 15987513 PMCID: 1189357.
- [7] Nayeri, F., Aili, D., Nayeri, T., Xu, J., Almer, S., Lundstrm, I., kerlind, B., and Liedberg, B. (2005). Hepatocyte growth factor (HGF) in fecal samples: rapid detection by surface plasmon resonance. BMC Gastroenterology, 5, 13–13. PMID: 15826299 PMCID: 1090571.
- [8] Shi, C., Uzarowska, A., Ouzunova, M., Landbeck, M., Wenzel, G., and Lbberstedt, T. (2007). Identification of candidate genes associated with cell wall digestibility and eQTL (expression quantitative trait loci) analysis in a flint flint maize recombinant inbred line population. BMC Genomics, 8, 22–22. PMID: 17233901 PMCID: 1785377.
- [9] Wang, X., Deavers, M., Patenia, R., Bassett, R. L., Mueller, P., Ma, Q., Wang, E., and Freedman, R. S. (2006). Monocyte/macrophage and t-cell infiltrates in peritoneum of patients with ovarian cancer or benign pelvic disease. *Journal of Translational Medicine*, 4, 30–30. PMID: 16824216 PMCID: 1550428.
- [10] Yamada, S., Gotoh, O., and Yamana, H. (2006). Improvement in accuracy of multiple sequence alignment using novel group-to-group sequence alignment algorithm with piecewise linear gap cost. BMC Bioinformatics, 7, 524–524. PMID: 17137519 PMCID: 1769516.